

propriated to the Secretary for each of fiscal years 2008 and 2009 \$2,000,000 for the administrative costs of carrying out this subsection.

**(B) Carryover of funds**

Funds appropriated for prize awards under this subsection shall remain available until expended, and may be transferred, reprogrammed, or expended for other purposes only after the expiration of 10 fiscal years after the fiscal year for which the funds were originally appropriated. No provision in this subsection permits obligation or payment of funds in violation of section 1341 of title 31 (commonly referred to as the Anti-Deficiency Act).

**(8) Nonsubstitution**

The programs created under this subsection shall not be considered a substitute for Federal research and development programs.

(Pub. L. 109-58, title X, §1008, Aug. 8, 2005, 119 Stat. 933; Pub. L. 110-140, title VI, §654, Dec. 19, 2007, 121 Stat. 1695.)

AMENDMENTS

2007—Subsec. (f). Pub. L. 110-140 added subsec. (f).

EFFECTIVE DATE OF 2007 AMENDMENT

Amendment by Pub. L. 110-140 effective on the date that is 1 day after Dec. 19, 2007, see section 1601 of Pub. L. 110-140, set out as an Effective Date note under section 1824 of Title 2, The Congress.

SUBCHAPTER XI—PERSONNEL AND TRAINING

**§ 16411. Workforce trends and traineeship grants**

**(a) Definitions**

In this section:

**(1) Energy technology industry**

The term “energy technology industry” includes—

- (A) a renewable energy industry;
- (B) a company that develops or commercializes a device to increase energy efficiency;
- (C) the oil and gas industry;
- (D) the nuclear power industry;
- (E) the coal industry;
- (F) the electric utility industry; and
- (G) any other industrial sector, as the Secretary determines to be appropriate.

**(2) Skilled technical personnel**

The term “skilled technical personnel” means—

- (A) journey- and apprentice-level workers who are enrolled in, or have completed, a federally-recognized or State-recognized apprenticeship program; and
- (B) other skilled workers in energy technology industries, as determined by the Secretary.

**(b) Workforce trends**

**(1) Monitoring**

The Secretary, in consultation with, and using data collected by, the Secretary of Labor, shall monitor trends in the workforce of—

(A) skilled technical personnel that support energy technology industries; and

(B) electric power and transmission engineers.

**(2) Report on trends**

Not later than 1 year after August 8, 2005, the Secretary shall submit to Congress a report on current trends under paragraph (1), with recommendations (as appropriate) to meet the future labor requirements for the energy technology industries.

**(3) Report on shortage**

As soon as practicable after the date on which the Secretary identifies or predicts a significant national shortage of skilled technical personnel in one or more energy technology industries, the Secretary shall submit to Congress a report describing the shortage.

**(c) Traineeship grants for skilled technical personnel**

The Secretary, in consultation with the Secretary of Labor, may establish programs in the appropriate offices of the Department under which the Secretary provides grants to enhance training (including distance learning) for any workforce category for which a shortage is identified or predicted under subsection (b)(2).

**(d) Authorization of appropriations**

There is authorized to be appropriated to carry out this section \$20,000,000 for each of fiscal years 2006 through 2008.

(Pub. L. 109-58, title XI, §1101, Aug. 8, 2005, 119 Stat. 937.)

**§ 16412. Training guidelines for nonnuclear electric energy industry personnel**

**(a) In general**

The Secretary of Labor, in consultation with the Secretary and in conjunction with the electric industry and recognized employee representatives, shall develop model personnel training guidelines to support the reliability and safety of the nonnuclear electric system.

**(b) Requirements**

The training guidelines under subsection (a) shall, at a minimum—

- (1) include training requirements for workers engaged in the construction, operation, inspection, or maintenance of nonnuclear electric generation, transmission, or distribution systems, including requirements relating to—
  - (A) competency;
  - (B) certification; and
  - (C) assessment, including—
    - (i) initial and continuous evaluation of workers;
    - (ii) recertification procedures; and
    - (iii) methods for examining or testing the qualification of an individual who performs a covered task; and
- (2) consolidate training guidelines in existence on the date on which the guidelines under subsection (a) are developed relating to the construction, operation, maintenance, and inspection of nonnuclear electric generation, transmission, and distribution facilities, such